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1921/22

# THE UNIVERSITY OF TENNESSEE

## BULLETIN

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SESSION 1921-1922

JUL 2 1921



## COLLEGE OF DENTISTRY

MEMPHIS, TENNESSEE

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ROGERS HALL



BAPTIST MEMORIAL HOSPITAL

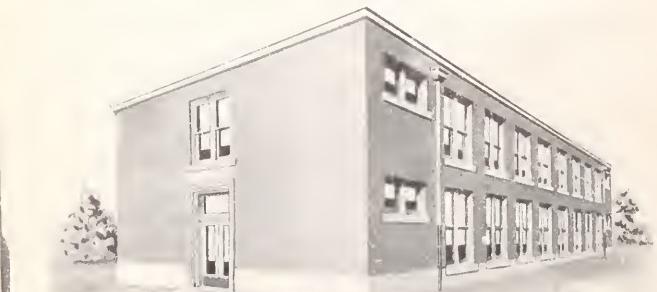


LINDSLEY HALL

THE  
UNIVERSITY OF TENNESSEE  
COLLEGES OF  
MEDICINE AND DENTISTRY  
AND  
SCHOOL OF PHARMACY  
MEMPHIS



MEMPHIS CITY HOSPITAL



PATHOLOGICAL LABORATORY



EVE HALL



UNIVERSITY OF TENNESSEE

BULLETIN

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COLLEGE OF DENTISTRY

MEMPHIS, TENNESSEE

*Member of National Association of Dental Faculties*

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FORTY-FOURTH SESSION, 1921-1922

OPENS OCTOBER 4, 1921.

CLOSES JUNE 1, 1922.

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THE UNIVERSITY OF TENNESSEE BULLETIN. VOL. XII.

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Published by the University of Tennessee at  
MEMPHIS, TENNESSEE      APRIL, 1921

# CALENDAR, 1921

## JANUARY

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25	26	27	28	29	30	31

# CONTENTS

(Departments arranged alphabetically.)

	Page
Admission, Requirements for .....	10
Advanced Standing, Admission to .....	10
Attendance and Discipline .....	11
Athletics .....	33
Building, Dental .....	8
Calendar, General .....	2
Calendar, College .....	4
Ceramics, Special Lectures .....	25
Certificate of Honor .....	16
Classification .....	13
Clinic, Dental .....	9
Committees, Standing .....	6
Courses of Instruction .....	22-23
Department of:	
Anatomy, Histology, and Embryology .....	22-23
Bacteriology .....	23
Biology .....	23
Chemistry .....	24
Crown and Bridge .....	24
English .....	25
Jurisprudence, Dental .....	25
Materia Medica and Therapeutics .....	26
Mouth Hygiene and Prophylaxis .....	25
Operative Dentistry, Operative Technic, and Dental Anatomy .....	27
Orthodontia .....	26
Pathology, General .....	28
Pathology, Dental and Therapeutics .....	28
Pediatrics, Dental .....	28
Physiology .....	29
Prosthetic Dentistry .....	29
Radioiology .....	30
Surgery, General .....	31
Surgery, Oral: Anaesthesia and Exodontia .....	30
Enrollment, 1920-1921 .....	34-38
Examination and Grading .....	13
Expenses, Living .....	16
Facts About the State University .....	7
Faculty .....	5-6
Fees .....	14
Fees not Refunded .....	14
Graduates .....	35-38
Graduation, Requirements for .....	13
History .....	8
Information, General .....	15
Instruments and Books .....	15
Lectures, Special .....	25
Library, Dental .....	9
Matriculation by Mail .....	11
Medal, Efficiency .....	16
Medal, Faculty .....	16
National Standing .....	8
Promotion .....	12-13
Regulations, General .....	10
Registration and Enrollment .....	11
Schedule of Classes .....	17-18-19-20
Society, College Dental .....	15

## GOLLEGE CALENDAR

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### 1921

- October 3-4 ..... Conditional Examinations.  
October 4 (Tuesday), 8 p.m..... Opening Exercise.  
October 14 ..... Matriculation Closes for Session.  
November 24 ..... Thanksgiving Holiday.  
December 21 (Wednesday), 6 p.m... Holiday Vacation Begins.

### 1922

- January 4 (Wednesday), 8 a.m.... Instruction Begins.  
January 30-February 4..... Examination Week.  
February 6 ..... Second Semester Begins.  
February 22 (Wednesday) ..... Holiday (Washington's Birthday).  
May 25-June 1..... Examination Week.  
June 12 ..... Commencement Day.

# OFFICERS OF ADMINISTRATION AND INSTRUCTION

---

## FACULTY

- HARCOURT ALEXANDER MORGAN, B.S.A., *President of the University.*
- JOSEPH ARCHIBALD GARDNER, D.D.S., Bank of Commerce Bldg.  
*Dean, Professor of Crown and Bridge.*
- ROBERT SHERMAN VINSANT, A.B., D.D.S., 718 Union Avenue.  
*Vice Dean, Registrar, Superintendent of Clinic.*
- GEORGE H. BISHOP, PH.D., 718 Union Avenue.  
*Professor of Histology and Embryology.*
- JAMES HAROLD COLLINS, M.A., M.D., 718 Union Avenue.  
*Professor of Materia Medica and Therapeutics, and Physiology.*
- DAVID SAMUEL GARDNER, D.D.S., Bank of Commerce and Trust Bldg.  
*Professor of Pediatrics.*
- MAXIMILLIAN GOLTMAN, C.M., M.D., F.A.C.S., Bank of Commerce Bldg.  
*Professor of General Surgery.*
- CLAUDE E. HINES, D.D.S., Central Bank Bldg.  
*Professor of Radiography.*
- RAYMOND MANOGUE, B.A., LL.B., Bank of Commerce Bldg.  
*Professor of Dental Jurisprudence.*
- LAWRENCE JEROME MCRAE, B.S., D.D.S., Exchange Bldg.  
*Professor of Oral Hygiene and Mouth Infection.*
- E. M. MEDLAR, B.A., M.D., 879 Madison Avenue.  
*Professor of General Pathology and Bacteriology.*
- HUGH E. MORROW, PH.D., 718 Union Avenue.  
*Professor of Chemistry.*
- JOHN JONES OGDEN, D.D.S., Bank of Commerce and Trust Bldg.  
*Professor of Oral Surgery, Anaesthesia, and Exodontia.*
- ELBERT WOODSON TAYLOR, D.D.S., Exchange Bldg.  
*Professor of Prosthetic Dentistry.*
- ROBERT SHERMAN VINSANT, A.B., D.D.S., 718 Union Avenue.  
*Professor of Operative Dentistry and Dental Anatomy.*
- CLARENCE JACKSON WASHINGTON, B.S., D.D.S., Exchange Bldg.  
*Professor of Dental Pathology and Therapeutics.*
- AUGUST HERMSMEIER WITTENBORG, A.B., M.D., 718 Union Avenue.  
*Professor of Anatomy.*
- ROBERT BRINCE ARMSTRONG, D.D.S., Exchange Bldg.  
*Professor of Clinical Dentistry, Instructor in Operative Dentistry.*
- ARCHIE JOHNSON BIGGER, JR., D.D.S., Exchange Bldg.  
*Instructor in Prosthetic Dentistry.*

MRS. RUTH W. CRAWFORD, M.A., 718 Union Avenue.  
*Instructor in Chemistry.*

EARL J. LOGUE, D.D.S., Bank of Commerce Bldg.  
*Instructor in Crown and Bridge.*

BERT P. HODGE, B.S., 718 Union Avenue.  
*Instructor in Chemistry, English, and Athletic Director.*

JOHN ALEXANDER MCINTOSH, M.D., 879 Madison.  
*Instructor in Bacteriology and General Pathology.*

EDWIN ORR SEISER, B.A., 718 Union Avenue.  
*Instructor in Biology.*

CORNELIUS N. WILLIAMS, D.D.S., 718 Union Avenue.  
*Assistant in Prosthetic and Operative Dentistry, and Demonstrator  
in the Clinic.*

#### ASSOCIATE FACULTY

DAVIS SAMUEL GARDNER, D.D.S., Bank of Commerce and Trust Bldg.  
*Chief Demonstrator in Prosthetic Laboratories.*

RICHMOND MCKINNEY, A.M., M.D., Bank of Commerce and Trust Bldg.  
*Lecturer on Nose and Throat Diseases.*

ARTHUR E. SMITH, D.D.S., M.D., Chicago, Ill.  
*Lecturer on Block Anaesthesia.*

G. EDGAR WEST, B.S., D.D.S., Union and Planters' Bank Bldg.  
*Professor of Dental Ceramics.*

FAITH CROSS VINSANT, *Librarian.*  
AUTRY EVELYN BOLTON, *Secretary to the Dean.*

#### STANDING COMMITTEES OF THE FACULTY OF DENTISTRY

##### EXECUTIVE COMMITTEE

COMMITTEE ON ADMISSION AND CURRICULUM

COMMITTEE ON BULLETIN AND PUBLICITY

COMMITTEE ON CLINICAL INSTRUCTION

COMMITTEE ON GRADUATION, PROMOTION, AND HONORS  
STUDENTS' ADVISORY COMMITTEE

\*The Dean is *ex-officio* a member of all standing committees.

## THE TENNESSEE STATE UNIVERSITY

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The University of Tennessee is maintained by appropriations from the State and Federal Governments. It was established in 1794. It has grown until today it comprises the following departments:

THE GRADUATE SCHOOL	COLLEGE OF LIBERAL ARTS
THE SCHOOL OF EDUCATION	COLLEGE OF ENGINEERING
THE SCHOOL OF COMMERCE	COLLEGE OF AGRICULTURE
THE SCHOOL OF HOME ECONOMICS	COLLEGE OF LAW
THE PREMEDICAL SCHOOL	COLLEGE OF MEDICINE
THE SUMMER SCHOOL OF THE SOUTH	COLLEGE OF DENTISTRY SCHOOL OF PHARMACY

The Colleges of Medicine and Dentistry, and the School of Pharmacy are located at Memphis, Tennessee. The other departments are located at Knoxville, Tennessee. This bulletin is devoted exclusively to the College of Dentistry for the academic year, 1921-1922.

For information concerning the College of Dentistry, address:

DR. R. S. VINSANT, *Registrar,*  
COLLEGE OF DENTISTRY, 718 Union Avenue, Memphis, Tenn.

# COLLEGE OF DENTISTRY

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## HISTORY

The College of Dentistry was founded in Nashville, Tennessee, in 1878, and is the oldest dental school in the South. The work of the College was conducted in Nashville until 1911, when the Board of Trustees decided to remove the Colleges of Medicine and Dentistry to Memphis, in order that there might be greater facilities for the clinical work of both colleges.

At the time of removal to Memphis, a union was effected between the College of Dentistry of Nashville and the College of Dental Surgery of the University of Memphis. Through this union the faculties and equipment of the two institutions were merged into one school in the interest of more efficient instruction. The new organization is able to offer instruction in Dentistry consistent with the rapidly developing knowledge of this special field of medical science.

## NATIONAL STANDING

The College of Dentistry is a member of the National Association of Dental Faculties, the American Institute of Dental Teachers, and is also on the recognized list of the National Association of Dental Examiners. A diploma from the University of Tennessee College of Dentistry is recognized in all States of the United States, and in every foreign country where an American Dental Diploma gives legal rights and privileges. It is one of the few schools in the South recognized by the New York Board of Regents.

## THE COLLEGE BUILDING

Rogers Hall, the building occupied by the College of Dentistry, is situated at the intersection of Union and Marshall Avenues, and is conveniently reached by trolley from all parts of the city.

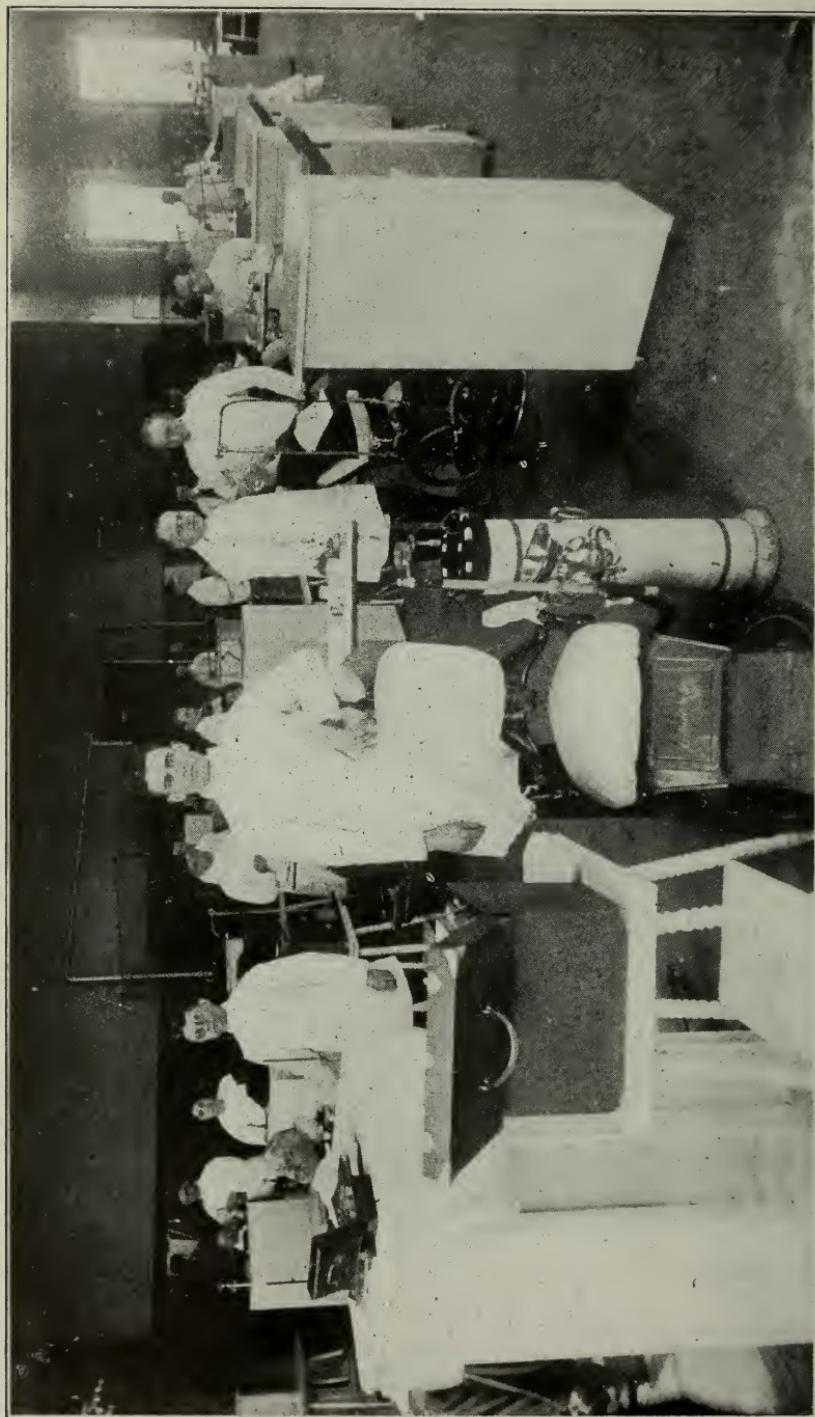
The building, a four-story brick structure, is located on a large lot, well apart from other buildings and has large windows on all sides, thus affording ample light in all rooms.

The Alumni and friends of the College will be pleased to learn that Rogers Hall has undergone extensive interior alterations. The entire first and second floors have been rearranged. These changes were made to adapt the building to the rapidly increasing need for greater space for the prosthetic laboratories, oral surgery, radiographic, and general clinical work.

On the first floor are located four large prosthetic laboratories, and adjoining these is a large lecture room, and small demonstration rooms for the use of the instructors with small groups of students. The physiology laboratory and lecture rooms are located on the first floor, also the general oral surgery operating room.



DENTAL INFIRMARY—LOOKING NORTH



The Operatory is located on the main floor, and has a floor space of 65 feet by 85 feet. This room is well lighted from large windows on the north, east, and south sides. On this floor is located the sterilizing room, X-ray room, and prosthetic clinic room.

The space formerly occupied by the Operatory is used for the museum and Library. It is the great desire of the College to increase the working facilities of the Library, toward which end contributions of bound volumes and periodicals from friends and alumni will be very greatly appreciated by the College. Proper recognition will be given the donors of all additions to the College collection for the Library and Museum.

On the main floor is also found the large College Auditorium, which will seat one thousand people.

On the third floor is found the Biology, Histology, Embryology, and Chemistry Laboratories, with lecture rooms adjoining.

The fourth floor is given over entirely to General Anatomy and General Surgery.

With the completion of the alterations and improvements which have been made within the last year, the College facilities will equal any other school giving instruction in dental medicine and surgery.

#### THE DENTAL CLINIC

The Operative, Prosthetic, Orthodontia, Surgical, and Radiographic Clinics are open from nine o'clock until five o'clock each week day except Saturday.

The clinical facilities afforded by the city are the very best. There is more than a sufficient number of patients, many have to be turned away each year. The large number of patients gives the student an excellent opportunity to perfect his technique in the various operations he will meet in every-day practice. The manner of conducting the work of the clinic is arranged so as to be as near as possible the methods followed in a well-regulated dental office.

The student enters the Clinic at the beginning of the Junior year for practical work, from one to five p.m. for twenty hours each week. The Clinic is open to Seniors from 9 a.m. until 5 p.m. each week day except Saturday.

#### THE LIBRARY

The Dental Library is located on the main floor of the Dental building. It is forty by sixty feet, well lighted, and equipped with chairs and tables. It also contains a small Dental Museum. It contains books on all phases of Dentistry, bound volumes of most all the Dental magazines and periodicals. Many of the current Dental and Non-Dental magazines are available.

A Librarian is in charge from 8 a.m. to 5 p.m. each week day except Saturday. The Library is closed at 12 m. on Saturday. The Medical Library, located in Lindsley Hall, is also available for Dental students. The Cossitt and Goodwyn Institute Libraries, two general libraries located in the city, are within a ten-minute walk of the College.

# GENERAL REGULATIONS

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## REQUIREMENTS FOR ADMISSION

Candidates for matriculation in the College of Dentistry are required to present a certificate of preliminary education granted by the State Superintendent of Education, or his authorized representative. Satisfactory evidence upon which such certificate must be granted is as follows:

- (1) A diploma from an accredited high school; or
- (2) Admission to the freshman class of a recognized college; or
- (3) Certificates of credits from a recognized high school acceptable for admission to the College of Liberal Arts of the University of Tennessee. These credits must be the full equivalent of fifteen Carnegie "units," as evaluated by the Dean of the College of Liberal Arts, or his authorized representative. Of these, not more than three units may be in vocational subjects, and at least three units must be in English; or
- (4) The result of an examination given by the State Superintendent of Education, or his duly appointed representative, in high school courses selected by the applicant, equivalent to fifteen Carnegie "units."

A fee of two dollars is required by the examiner for issuing the above certificate. (Blank forms for Application for Admission are furnished by the Registrar upon request.)

## ADMISSION TO ADVANCED STANDING

An applicant for time and subject credit, in consideration of courses satisfactorily completed in another school, must present credentials duly certified by the proper authorities, as follows:

- (1) Satisfactory fulfillment of all the requirements prior to admission to the College at the time of matriculation of the class which he desires to enter.
- (2) Honorable dismissal from the college or colleges previously attended, including satisfactory discharge of all financial obligations toward said institutions.
- (3) Attendance records and grades for all subjects pursued in other institutions for which credit is sought in this school.

Applicants having submitted the required information will be credited with such parts of their former work as may be found satisfactory by the Dean of the College of Dentistry, and the heads of the several departments concerned.

Applicants who have been previously matriculated in an accredited medical school, who apply for subject credit are credited as follows:

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\*Subject to change at the close of any session.

(1) The applicant will present to the heads of the several departments concerned, records showing courses for which credit is desired, including time devoted to each, and grade in each subject. Such subjects will then be accepted for credit as are considered the full equivalent of courses required.

(2) Graduates of recognized medical schools, or students having satisfactorily completed the Freshman and Sophomore years in a recognized medical school, may be given credit for one year.

### REGISTRATION AND ENROLLMENT

The procedure of matriculation, registration, and enrollment is as follows:

- (1) Receive from the Dean approval of Application for Admission.
- (2) Payment to the Bursar of all required fees.
- (3) Registration by the Bursar.
- (4) Enrollment by instructors in the several courses.

These requirements must be met in the above order, and no officer of the College is authorized to proceed without evidence that the preceding requirements have been fulfilled.

Credit is not given for attendance in any class prior to compliance with the requirements above indicated.

### MATRICULATION BY MAIL

Students whose credentials are accepted may matriculate by mail. The assignment of lockers and laboratory seats is made in the order of matriculation.

The matriculation fee of \$5.00 may be sent by express money order, postal money order, or draft, payable to R. S. Vinsant, Registrar.

### ATTENDANCE AND DISCIPLINE

The regular work of instruction will begin as scheduled. In all cases enrollment must be completed within ten days following the opening of the session in order to obtain credit for the year's work. In case of a longer delay occasioned by illness an extension of ten days may be granted upon presentation of a satisfactory certificate signed by a practicing physician.

In any course the minimum attendance for which credit will be given, or which will admit a student to the final examination, is 85 per cent of the time scheduled for instruction in any course. All excuses for absence must be presented in writing. Illness is the only reason for absence which will be considered.

The above absence of 15 per cent is not to be construed as granting permission for voluntary absence which are not warranted.

Students entering a lecture or laboratory not later than *fifteen minutes* after the beginning of the class will be recorded as tardy; *entering later*, constitutes absence. *Three tardy marks constitutes an absence.*

Matriculation in the College being voluntary it is considered as implying that the student agrees to conform to all rules and regulations herein indicated or otherwise set forth.

The Executive Committee reserve the right to remove for cause, and without recourse at any time during the session, any student, on the grounds of gross or repeated infringement of the regulations of the College, or when his presence as a member of the student body is considered undesirable.

#### EXAMINATION AND GRADING

Final examinations are held at the close of each semester, or at the completion of any course during the semester. A minimum attendance of 85% is required to admit a student to examination in each subject.

A minimum grade of 75% is required for a passing grade in any subject, this constituting a satisfactory record.

A final grade of 60%-74% constitutes a "condition." This record is not satisfactory, but under certain circumstances a student may be recommended for the subsequent delinquent examination.

A grade below 60% constitutes complete failure in that subject, and implies the repetition of the work in that course.

The regular and delinquent examinations are held only at such times as are indicated in the College calendar.

Delinquent examinations are held during two days prior to the opening of the session for the convenience of the following:

(1) Students in this school who were conditioned at the close of the previous session, but who are eligible for the delinquent examination.

(2) Students who on account of illness or other extenuating circumstances were not able to present themselves at the previous regular examination.

(3) Students applying for admission from other schools whose records, for whatever reason, may not be accepted.

In the event of failure to remove a condition at the delinquent examination, it becomes necessary to repeat the work of such courses.

*No special examinations will be held at any time except by special action of the Executive Board.*

A fee of \$5.00 is required for an examination in each subject whenever a special examination is granted. This fee is applied to the funds of the College Library.

In the repetition of a course an attendance of at least 85% of all the scheduled hours, the performance of all required work of the course, and a final grade of not less than 75% is required.

#### PROMOTION

Promotion is granted as follows:

(1) To those who have no failures or conditions.

(2) To those who have a failure in one subject only. This failure must be removed during the ensuing session by repeating the course.

(3) To those who have a failure and two conditions. These conditions must be removed by delinquent examination at the opening of the session. Failure to remove same constitutes a failure in the subject.

Failure to remove a condition at delinquent examination implies the repetition of the course concerned. This course is to be repeated at the first session attended by said student following failure, and will in all cases take precedence over other required courses, in case of conflicting schedules.

Three conditions constitute a failure, hence promotion is not granted in those cases where a failure and three conditions exist.

The granting of conditional or temporary promotion lies wholly within the discretion of the committee on promotions, and is not necessarily granted solely on the ground that the conditions for such promotion may exist. The general fitness of the student is considered as well as his actual scholarship.

Grades and standing are mailed to the student as soon as possible following the final examinations at the close of the session.

### CLASSIFICATION

Students not granted promotion, or those failing to remove conditions at the delinquent examination, are classified in the year of the curriculum in which such failure exists.

Freshman students are not admitted without the full requirements for entrance.

Sophomore students must remove all conditions or a failure in Freshman subjects during the Sophomore year.

Junior students must remove all conditions or a failure in Sophomore subjects during the Junior year.

Senior students must enter their year's work free from all failures or conditions.

### REQUIREMENTS FOR GRADUATION

In order to become a candidate for the degree of Doctor of Dental Surgery, the applicant must comply with the following requirements:

(1) He must be at least twenty-one years old, and of good moral character.

(2) He must have presented evidence of the preliminary educational requirements of this institution.

(3) He must have been in residence as a regularly matriculated dental student in an accredited dental school for at least four entire sessions of which the last year must be spent in this school.

(4) He must have satisfactorily completed the required courses of the curriculum, and complete fully all the requirements in technical, practical, and clinical work, to the entire satisfaction and fulfillment of all requirements.

(5) He must have discharged all his financial obligations toward the College of Dentistry.

## FEES

The annual fees in the College of Dentistry are as follows:

(For residents of Tennessee)

	Freshman	Sophomore	Junior	Senior
Matriculation .....	\$ 5.00	.....	.....	.....
Enrollment .....	.....	\$ 5.00	\$ 5.00	\$ 5.00
Tuition .....	150.00	150.00	150.00	175.00
Library Fee .....	2.00	2.00	2.00	2.00
Contingent Deposit .....	10.00	10.00	10.00	10.00
Total .....	\$167.00	\$167.00	\$167.00	\$192.00

(For non-resident students.)

	Freshman	Sophomore	Junior	Senior
Matriculation .....	\$ 5.00	.....	.....	.....
Enrollment .....	.....	\$ 5.00	\$ 5.00	\$ 5.00
Tuition .....	175.00	175.00	175.00	200.00
Library Fee .....	2.00	2.00	2.00	2.00
Contingent Deposit .....	10.00	10.00	10.00	10.00
Total .....	\$192.00	\$192.00	\$192.00	\$217.00

The above fees are payable at the office of the Bursar, 879 Madison Avenue. *At least one hundred and fifteen dollars (\$115.00) must be paid before enrollment. The remainder of fees must be paid before February 1.* No postponement or reduction of fees may be granted. Under no consideration are notes accepted for the payment of any part of the above fees.

A Library fee of \$2.00 is charged each student and is payable each year to the Registrar.

A graduation fee of \$10.00 is required of all candidates for a degree. This fee is to be paid to the Dean previous to the beginning of the final examinations at the close of the year.

In default of payment in full of all fees by February 1, the names of those delinquent will be dropped from the rolls of the various classes with loss of attendance credit until such time as full payment is made. The officers of the College are not empowered to make any alterations whatever in the above requirements.

## FEES NOT REFUNDED

Matriculation in the College being voluntary on the part of the student, and the College standing ready to fulfill its obligations to him, no fees are refunded or transferred under any circumstances. If on account of illness or other accepted reason a student is unable to complete a year's work for which tuition has been paid, he may be credited with that part of his fees for which he has not received instruction. This is credited to the payment of fees in a subsequent year.

The College may, for sufficient cause, at any time request a student to withdraw from the institution. Such student has no claim for any tuition paid.

### GENERAL INFORMATION

The Dean will, upon request, issue a report to parent or guardian upon the standing and deportment of any student. The Dean may at his discretion issue such written report whenever in his judgment it becomes advisable.

All students are required to provide themselves with the necessary books, instruments, materials, and other equipment required by their several instructors for properly carrying on their work.

All students are required to be punctual and regular in their attendance upon all scheduled work of their various courses.

A student repeating a year's work will pay all the regular fees of that year.

The Faculty reserves the power to consider the general fitness of a student to become a candidate for graduation, in addition to attainments in scholarship.

All required text-books are obtainable at the College Book Store and students are not admitted to their various courses until they have provided themselves with the necessary books.

The College is not responsible for the loss of personal property, whether by fire, theft, or other cause.

### INSTRUMENTS AND BOOKS

The College Book Store being the duly organized agent of all publishers whose books are required, no student will act as agent of or solicit orders for any publisher or firm dealing in any book, instrument, or materials, when such is to be used by the students in performance of required work of the curriculum.

The books, instruments, materials, and other equipment necessary in the several classes have been carefully selected to meet the student's needs without being unnecessarily expensive. Experience showing that the degree of proficiency attained is proportional to the equipment provided, all students are required to provide themselves with whatever is deemed essential by their several instructors.

The expense of equipment has been reduced as much as possible, consistent with efficiency. Lists of books, instruments, and materials are furnished the student, and he will provide himself with the same at whatever time they may be needed.

The average expense of instruments is approximately \$175.00 each year, and text-books will cost about \$45.00 each year.

### COLLEGE DENTAL SOCIETY

The David Mahlon Cattell Society is an organization formed by the students of the College of Dentistry for the discussion of current topics of interest to the dental student, and the promotion of the social life of the student body.

The various social functions of the College are conducted through the society. All regularly matriculated students are eligible to membership in the society.

Meetings are held twice each month during the school year. At these meetings topics of current interest to the profession and to the dental student are discussed. Usually a subject of popular interest is chosen for debate, and is discussed by teams chosen by the society.

The student's time for literary work is necessarily limited, and for this reason the society constitutes a valuable means for training in parliamentary procedure and extemporaneous speaking.

#### CERTIFICATES OF HONOR

With a view to encouraging students to individual effort to acquit themselves creditably in their work, and that they shall receive official recognition of work of a high standing the Faculty presents to those who attain an average of 95% or more in the Senior year, a certificate of honor.

The names of those attaining an average of 90-94% during the Senior year will be placed upon the Honor Roll.

#### FACULTY MEDAL

A gold medal, designated the "Faculty Medal," is awarded to the member of the Senior class who attains the highest average in all subjects for the Senior year. To be eligible for this medal a student must have completed his entire dental course in this school.

#### EFFICIENCY MEDAL

This medal is awarded to that member of the graduating class whose record shows the highest efficiency in the work of the Senior year. This medal is awarded by the Gwinner-Mercere Company, of Memphis.

#### LIVING EXPENSES

The expense of living in Memphis is not higher than in other cities of like size. Students find little difficulty in obtaining rooms and board within a short distance from the College. At the opening of the session there are numerous notices furnished the Registrar's office of such accommodations, so that new students are frequently able to locate suitable rooms from this information.

*For all information relative to the College, address communications to*

DR. R. S. VINSANT, Registrar,  
718 Union Avenue, Memphis, Tenn.

## FRESHMAN YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Operative Technic (Laboratory)	Dental Anatomy (Laboratory)	Operative Technic (Laboratory)	Prosthetic Technic (Lecture)	Operative Technic (Laboratory)	Crown and Bridge Work (Laboratory)
9	Operative Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Operative Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Operative Technic (Laboratory)	Crown and Bridge Work (Laboratory)
10	Operative Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Operative Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Operative Technic (Laboratory)	Crown and Bridge Work (Laboratory)
11	English	Inorganic Chemistry (Laboratory)	English	Biology (Lecture)	English	Crown and Bridge Work (Laboratory)
1	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Inorganic Chemistry (Laboratory)
2	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Inorganic Chemistry (Laboratory)	Inorganic Chemistry (Laboratory)
3	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Biology (Laboratory)	Prosthetic Technic (Laboratory)	Dental Anatomy (Laboratory)	Dental Anatomy (Laboratory)
4		Prosthetic Technic (Laboratory)		Prosthetic Technic (Laboratory)		

## SOPHOMORE YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Oral Hygiene (Lecture)	Prosthetic Technic (Lecture)	Anatomy (Lecture)	Crown and Bridge Work (Lecture)		
9	Organic Chemistry (Lecture)	Anatomy (Lecture)	Organic Chemistry (Laboratory)	Histology General (Lecture)	Histology General (Laboratory)	Histology (Lecture)
10	Organic Chemistry (Laboratory)	Operative Technic (Laboratory)	Organic Chemistry (Laboratory)	Operative Technic (Laboratory)	Histology General (Laboratory)	Anatomy (Dissection)
11	Organic Chemistry (Laboratory)	Histology (Lecture)	Organic Chemistry (Laboratory)	Operative Technic (Laboratory)	Histology General (Laboratory)	Anatomy (Dissection)
1	Anatomy (Dissection)	Physiology (Lecture)	Anatomy (Dissection)	Anatomy (Dissection)	Physiology (Laboratory)	.
2	Anatomy (Dissection)	Crown and Bridge Work (Laboratory)	Anatomy (Dissection)	Anatomy (Dissection)	Physiology (Laboratory)	
3	Prosthetic Technic (Laboratory)	Crown and Bridge Work (Laboratory)	Prosthetic Technic (Laboratory)	Crown and Bridge Work (Laboratory)	Anatomy (Lecture)	
4	Prosthetic Technic (Laboratory)	Crown and Bridge Work (Laboratory)	Prosthetic Technic (Laboratory)	Crown and Bridge Work (Laboratory)	Prosthetic Technic (Laboratory)	

## JUNIOR YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Anæsthesia (Lecture)	Orthodontia (Lecture)	Crown and Bridge Work (Lecture)	Prosthesis (Lecture)	Pathology (Lecture) 2d Semester	Materia Medica and Therapeutics Technic
9	Prophylaxis (Lecture)	Bacteriology (Laboratory) 1st Semester	Operative Technic (Lecture)	Operative Technic (Lecture)	Bacteriology (Laboratory) 1st Semester	Orthodontia Technic (Laboratory)
10		(Laboratory)	Bacteriology 1st Semester	Operative Technic (Laboratory)	Bacteriology (Laboratory) 1st Semester	Orthodontia Technic (Laboratory)
11	Bacteriology (Lecture)	Bacteriology (Laboratory) 1st Semester	Bacteriology (Lecture)	Operative Technic (Laboratory)	Bacteriology (Laboratory) 1st Semester	Orthodontia Technic (Laboratory)
1	Crown and Bridge Work (Laboratory)	Clinic	Clinic	Clinic	Clinic	
2	Crown and Bridge Work (Laboratory)	Clinic	Clinic	Clinic	Clinic	
3	Crown and Bridge Work (Laboratory)	Clinic	Clinic	Clinic	Clinic	
4	Crown and Bridge Work (Laboratory)	Clinic	Clinic	Clinic	Clinic	

## SENIOR YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8	Oral Surgery and Exodontia (Lecture)	Orthodontia (Lecture)	Surgery General (Lecture)	Prosthesis (Lecture)	Dental Pathology and Therapeutics (Lecture)	Materia Medica and Therapeutics (Lecture)
9	Practical Laboratory	Practical Laboratory	Operative Dentistry (Lecture)	Operative Dentistry (Lecture)	Practical Laboratory	Practical Laboratory
10	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory
11	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory	Practical Laboratory
1	Clinic	Clinic	Clinic	Clinic	Clinic	Clinic
2	Clinic	Clinic	Clinic	Clinic	Clinic	Clinic
3	Clinic	Clinic	Clinic	Clinic	Clinic	Oral Surgery, Anaesthesia and Exodontia Clinic
4	Clinic	Clinic	Clinic	Clinic	Clinic	Oral Surgery, Anaesthesia and Exodontia Clinic

# THE CURRICULUM

## SYNOPSIS OF CURRICULUM

### FRESHMAN YEAR

	First Semester			Second Semester			Total for Year
	Lecture	Labora-	Total	Lecture	Labora-	Total	
Biology, General .....	32	96	128	32	96	128	256
Chemistry, Inorganic (Metallurgy) .....	48	64	112	48	64	112	224
Anatomy, Dental .....	16	32	48	16	32	48	96
Crown and Bridge Work .....	16	64	80	16	64	80	160
English .....	48	.....	48	48	.....	48	96
Operative Technic .....	.....	192	192	.....	192	192	384
Prosthetic Technic .....	16	128	144	16	128	144	288
Total hours for year .....	.....	.....	.....	.....	.....	.....	1504

### SOPHOMORE YEAR

Anatomy, General Descriptive .....	48	128	176	48	128	176	352
Chemistry, Organic, First Semester.....	32	64	96	.....	.....	.....	96
Chemistry, Physiological .....	.....	.....	.....	16	64	80	80
Crown and Bridge Technic .....	16	80	96	16	80	96	192
Histology, General .....	32	64	96	16	32	48	144
Histology, Dental and Embryol .....	.....	.....	.....	12	24	40	40
Operative Dentistry (Technic) .....	.....	64	64	.....	64	64	128
Physiology .....	32	.....	32	32	.....	32	64
Prosthetic Technic .....	.....	112	112	.....	112	112	224
Total hours for year .....	.....	.....	.....	.....	.....	.....	1420

### JUNIOR YEAR

Anaesthesia .....	.....	.....	.....	16	16	32	32
Bacteriology .....	32	96	128	16	48	64	128
Clinical Practice .....	.....	.....	64	.....	.....	64	128
Crown and Bridge Work .....	16	48	64	16	48	64	128
Orthodontia .....	16	48	64	16	48	64	128
Operative Dentistry (Technic) .....	32	32	64	32	32	64	128
Materia Medica and Therapeutics .....	32	.....	32	32	.....	32	64
Pathology, General .....	.....	.....	.....	32	96	128	128
Prosthesis (Technic) .....	16	144	160	16	144	160	320
Clinical Practice .....	.....	.....	.....	.....	128	128	128
Mouth Hygiene and Prophylaxis .....	16	.....	16	.....	.....	.....	16
Total hours for year .....	.....	.....	.....	.....	.....	.....	1328

### SENIOR YEAR

Dental Pathology and Therapeutics .....	16	.....	16	16	.....	16	32
Clinical Practice .....	.....	528	528	.....	528	528	1056
Pathology of Nose and Throat .....	.....	.....	.....	3	3	3	3
Operative Dentistry .....	32	.....	32	32	.....	32	64
Orthodontia .....	16	.....	16	16	.....	16	32
Radiology .....	.....	.....	.....	32	.....	32	32
Surgery, General .....	16	.....	16	16	.....	.....	32
Surgery, Oral and Exodontia .....	16	32	48	16	32	48	96
Nerve Pathology .....	.....	.....	.....	5	.....	5	5
Jurisprudence, Dental .....	.....	.....	.....	16	.....	16	16
Prosthesis .....	16	.....	16	16	.....	16	32
Total hours for year .....	.....	.....	.....	.....	.....	.....	1410

## COURSES OF INSTRUCTION

(Departments arranged alphabetically.)

## DEPARTMENTS OF ANATOMY AND HISTOLOGY

DR. A. H. WITTENBORG, Professor of Anatomy.

DR. G. H. BISHOP, Assistant Professor of Histology and Embryology.

## I. GENERAL DESCRIPTIVE ANATOMY

The work of this course covers a careful study of the entire body excepting the upper and lower extremities. The instruction includes lectures, recitations, and dissection.

The first eight weeks are given to the osteology of the entire body, special attention being given to the minute detail of structures of all parts of the skull. Particular attention is paid to the internal architecture of the various bones, as revealed by the study of sawed sections. At the beginning of the course each student is assigned a set of disarticulated bones for his individual use. These are retained during the year's work.

The remaining part of the year is given to a thorough dissection of the cadaver, including head, neck, thorax, abdomen, brain, and spinal cord. The students work in groups of two in the dissecting room; in this way each has ample opportunity of making a thorough first-hand study of every structure dissected.

Sophomore Year: Time, three lectures or recitations each week throughout the year; and four two-hour periods each week in dissection, beginning immediately after the completion of Osteology.

Students will supply themselves with the necessary books, instruments, laboratory gowns, and other materials required. These may be purchased from the University Book Store.

## II. GENERAL HISTOLOGY

The work included in this course consists of two parts:

- (a) A thorough study of the primary tissues, including the blood.
- (b) The organs and systems of organs are considered in detail, based on their composition from the primary tissues.

At the beginning of the course each student is assigned a set of slides and a compound microscope which he retains during the year. From the beginning the proper use and care of the microscope and care of the eyes during its use are taught.

In so far as possible the work in Histology and Gross Anatomy is correlated. In this way the student comes to see that the two subjects are in reality only different phases of one larger subject. A constant correlation of the two subjects is insisted upon, and wherever possible the same organs and systems are studied at the same time in the two courses.

Sophomore year, six hours a week for 24 weeks.

### III. DENTAL HISTOLOGY AND EMBRYOLOGY

The work of this course includes a detailed study of the soft parts of the oral cavity, jaws, and teeth, together with the embryology of these parts. Special emphasis is laid on the development of the teeth and jaws, and other surrounding parts that are frequently the seat of malformations, such as hairlip, cleft palate, and irregular teeth.

The study of tooth structure is preceded by a careful study of typical stages of tooth development. The adult structure is then taken up from this standpoint.

The laboratory work includes a study of various stages of tooth development together with the formation of the bone of the jaws. These developmental stages are studied from sections made through the heads of foetuses and early embryos. Following this, decalcified sections are used, showing the structures and relations of the adult tooth *in situ*, together with the gums, periodontal membrane, and pulp. Typical transverse and longitudinal ground sections of adult teeth are used for the structures of all hard parts of the teeth.

Sophomore year, six hours a week for the last eight weeks.

### GENERAL BIOLOGY

EDWIN ORR SEISER, B.A., Instructor.

The first few weeks of this course are devoted to simple forms of plant life, and microscopic study of the same. This work serves as an introduction to the zoology which follows.

From ten to twelve weeks are devoted to elementary Zoology. Amœba, Paramoecium, Euglena, and other protozoan forms will be studied. Various forms of the metazoan phyla will be dissected, such as Coelenterata, Porifera, Annelida, Arthropoda, etc.

A thorough dissection of the cat will occupy sixteen weeks.

Freshmen required: Two laboratory periods of three hours each, and one period of two hours to be used for either lecture or quiz work. This schedule applies to each week throughout the year.

### DEPARTMENT OF BACTERIOLOGY

E. M. MEDLAR, A.B., M.D., Professor.

Methods of bacteriological study, including hanging drop technique, routine staining, and culture characteristics, will be demonstrated. Preparation of media and sterilization of material is required.

Immunity and its manner of production will be considered in lectures and laboratory experiments. Some time will be devoted to vaccine technique.

Junior required: Two lectures and three laboratory periods of two hours each week during the first semester.

*College of Dentistry*

## DEPARTMENT OF CHEMISTRY

HUGH E. MORROW, Ph.D., Professor.

MRS. RUTH W. CRAWFORD, M.A., Instructor.

BERT P. HODGE, B.S., Assistant.

## GENERAL CHEMISTRY

*Course I.* The course includes a study of the common elements and their more important compounds. Emphasis is laid upon the fundamental facts, laws, and theories of chemistry.

The laboratory work closely parallels the lectures. This work is followed by instruction and laboratory practice in the separation of the metals in "unknown" solutions and dental alloys.

Freshman required: Three lectures of one hour each and two laboratory periods of two hours each per week throughout the year.

## ORGANIC CHEMISTRY

*Course II. (a) Organic Chemistry.* The classification, nomenclature, and modes of reactions of some of the more important compounds of carbon are given in this course.

Sophomore year: First semester. Three lectures of one hour each and two laboratory periods of two hours each a week during the first semester.

*Course II. (b) Physiological Chemistry.* Instructions in laboratory work are given in the chemistry of (1) some compounds of the body; (2) foods; (3) process of digestion, and the analysis of blood, urine, and digestive fluids.

One lecture of one hour and two laboratory periods of two hours a week during the second semester.

## DEPARTMENT OF CROWN AND BRIDGE WORK

JOSEPH A. GARDNER, D.D.S., Professor.

EARL J. LOGUE, D.D.S., Instructor.

DAVID S. GARDNER, D.D.S., Assistant.

The instruction in this department is designed to impart a knowledge of all that pertains to crown and bridge work. The course includes didactic instruction supplemented by casts, drawings, and stereopticon views.

A thorough course in the technic of crown and bridge work is given during the Junior and Senior years. This includes the full technical demonstration of cast crowns and bridges. Facilities are afforded for both Junior and Senior students to secure abundant practical experience in the clinic.

Juniors are required to secure 100 "points" in practical crown work. Seniors are required to secure 200 "points" in practical crown and bridge work. The requirements constituting a "point" are indicated during the course of the work.

Freshman Year: One lecture and three hours of laboratory work each week during the year.

Sophomore Year: One lecture and two laboratory periods each week.

Junior Year: One lecture and one laboratory period each week.

**CERAMICS****G. EDGAR WEST, B.S., D.D.S., Lecturer.**

The lecture work of this course includes the principles of the art of color selection, color mixing and blending, and the fusing and baking of porcelain. Full instruction and practical clinical work is given especially in the preparation of vital teeth for porcelain jacket or veneer crowns. The formation, baking, and setting of this kind of restoration, which is so necessary to retain the live tooth pulp, yet produce a perfect tooth in health and appearance, is specially emphasized.

Practical instruction is given in the construction of continuous gum work with reference to plates and bridges, also ample technique in oil and water color staining of porcelain teeth or crowns in order to produce a lifelike appearance resembling natural adjacent teeth bearing peculiar individual color markings.

The class is divided into small groups for laboratory work and clinic in order that each student may receive all necessary individual instruction.

**Senior Year:** One hour per week throughout the entire session.

**DEPARTMENT OF ENGLISH****BERT P. HODGE, B.S., Instructor.****ENGLISH COMPOSITION**

This course is designed to be a practical training in speaking and writing English. Written and oral exercises will be given for the purpose of cultivating clear and forceful expression. The construction of the sentence and the paragraph will be studied; also the construction of more extended pieces of exposition. Articles from standard magazines and other literature will be used as a basis for this study.

**Freshman Year:** Three hours per week throughout the year.

**DEPARTMENT OF MOUTH HYGIENE AND PROPHYLAXIS****LAWRENCE JEROME MCRAE, B.S., D.D.S., Professor.**

This course deals with the prevention of disease of those parts immediately connected with the oral cavity. In many cases of the health of one organ is so dependent upon the manner in which all other organs perform their functions, that a course of general hygiene with special reference to its influence upon the oral cavity is given.

**DEPARTMENT OF DENTAL JURISPRUDENCE****RAYMOND E. MANOGUE, B.A., LL.B., Professor.**

The work of this course covers in a series of lectures the general principles of dental jurisprudence. The various main divisions of the work considered are presented in the following synopsis of the course:

1. Regulation of the Practice of Dentistry.

- (a) Power to regulate.
- (b) Requirements.

2. Relation to Patrons.
  - (a) Nature of relation.
  - (b) Degree of skill required.
3. Liability of Negligence or Malpractice.
  - (a) Acts of omission constituting negligence or malpractice.
4. Compensation.
5. Outline of Law of Contracts and Negotiable Paper.

Senior Year: One lecture each week during second semester.

### SPECIAL LECTURES

Nose and Throat Diseases in Relation to Dental Surgery.

RICHMOND MCKINNEY, A.M., M.D., Lecturer.

Three lectures during second semester of Senior year.

Nerve Pathology in Relation to Mouth Disorders.

GEORGE GILLESPIE BUFORD, M.D., Lecturer.

Five lectures during second semester of Senior year.

### DEPARTMENT OF MATERIA MEDICA AND THERAPEUTICS

JAMES HAROLD COLLINS, M.A., M.D., Professor.

....., Assistant.

This is a combined lecture and quiz course, covering the official drugs. It includes Dosage preparations, Pharmacological action, Toxicology, and Therapeutic usages of the drugs of the U. S. Pharmacopœia. Special lectures on anæsthetic drugs and combination, both general and local. Special lectures on proprietary and patent nostrums.

Part of each lecture period is devoted to the discussion of cases handled by students in the Clinic, in this way allowing difficult and interesting cases to be brought before the entire class.

The presentation of an eight hundred word theme and evidence of ability to properly write compound prescriptions are required in the latter part of this course.

Two lectures each week during the Junior and Senior year.

### DEPARTMENT OF ORTHODONTIA

J. W. PEETE, D.D.S., Professor.

This course is designed to give the student not a complete knowledge of the art and science of Orthodontia, but a sufficient understanding of it to appreciate the full value of proper occlusion and the impairment of health and facial beauty due to malocclusion.

The lectures will be accompanied by slides and models illustrating the subject matter. Demonstrations will be given in taking impressions, running models, trimming models, and occluding models. From these models and the history of the cases, instruction is given in diagnosis and treatment.

Senior year: One lecture each week during the year.

**DEPARTMENT OF OPERATIVE DENTISTRY, DENTAL ANATOMY, AND OPERATIVE TECHNIQUE**

ROBERT SHERMAN VINSANT, A.B., D.D.S., Professor.

R. B. ARMSTRONG, D.D.S., Professor.

C. N. WILLIAMS, D.D.S., Instructor.

**FRESHMAN YEAR****DENTAL NOMENCLATURE**

Dental Anatomy is studied, and the technic of Operative Dentistry is begun. Dental Anatomy includes the teeth, and the immediate hard and soft structures of the mouth. Development lines, fossæ, grooves, contact points, mesio-distal and lateral curves are studied; also the pulp chambers and root canals are carefully studied to gain an accurate knowledge of the typical or usual form of normally developed teeth. This is supplemented with drawings of tooth surfaces and carving of tooth forms from celluloid, bone, or ivory. For the study of cavity preparations, cavities are cut in bone, and filled with cement, tin, and amalgam.

Instrument technology follows Dental Anatomy. A close study of instruments is made, including their classification, general forms, and uses. Cutting instruments are measured, grouped and formulated. To assist in the study, a number of instruments are made by each member of the class. These instruments are polished, sharpened, and are used later in "dummy" work. A thorough knowledge of instruments is necessary for the operator at the chair to select the proper instrument without hesitation. This course consists of eleven hours per week throughout the entire year.

**SOPHOMORE YEAR**

The following subjects are covered by lecture and demonstration in class room, and are then performed by students in the Laboratory during the Sophomore year. Carving of a typedont, emphasizing the normal contact points, mesio-distal and lateral curves, and occlusion. Cavity nomenclature, preparation of cavities by classes in extracted teeth and typedont, instrumentation in preparing cavities, physical properties and manipulation of the various filling materials, filling of cavities with gold foil, inlays, cement, amalgam, and gutta percha, finishing the various fillings, removing of pulps, and treatment and filling of root canals.

This covers four hours per week throughout the year.

**JUNIOR YEAR**

Studies of the dystrophies of the enamel, of erosion, abrasion, and caries, hyperesthesia of dentine, treatment of dental caries, selection of filling materials, forces used in mastication, management of cavities by classes (review), esthetic consideration of fillings; deciduous teeth, their pathology and treatment; childhood period of permanent teeth; management of permanent teeth, etc. These subjects are taken up in the order as outlined in Black's Operative Dentistry, volumes one and two. This subject runs one hour per week throughout the entire session.

The Junior class enters the Infirmary at the beginning of the year, and performs the minor operations, and are gradually advanced to the more complicated Dental operations. They devote twenty hours per week to Clinical work throughout the entire year.

#### SENIOR YEAR

A lecture and demonstration course, a review of the literature of Operative Dentistry, with short themes by members of the class. One hour per week throughout the year. Operative Clinic will be open from 9 a.m. to 5 p.m. each week day to Seniors.

#### DEPARTMENT OF PATHOLOGY

J. A. McINTOSH, M.D., Professor

##### GENERAL PATHOLOGY

While considering the general and fundamental principles of pathology, special attention is given to tissue changes within and around the mouth, including neoplasms.

The laboratory work includes a microscopical study of typical stained sections, and an examination of gross specimens.

Junior Year required: Four lectures, and two laboratory periods of two hours each a week during the second semester.

Students are occasionally permitted to witness selected cases coming to necropsy.

#### DEPARTMENT OF DENTAL PATHOLOGY AND THERAPEUTICS

CLARENCE JACKSON WASHINGTON, B.S., D.D.S., Professor.

This course will have special reference to applied pathology and therapeutics, and the principles and practice of dental medicine.

The same rational principles which underlay general medicine and surgery will be applied in dental theory and practice. An effort will be made in the description and treatment of dental diseases to reflect the progress and development that have occurred in this branch of science in recent years.

Senior Year: One lecture each week throughout the year.

#### DEPARTMENT OF DENTAL PEDIATRICS.

DAVID SAMUEL GARDNER, D.D.S., Professor.

This subject will be taught by lectures, lantern views, and demonstrations at the chair.

The science of Dental Pediatrics is that which treats of the proper care of the mouths of young children, with a view to prevent mouth diseases and ailments of the teeth; the science of controlling children in the dental office, and the methods employed to interest the mothers in the care of the mouths of babies, beginning at the time of birth.

The subject of Dental Pediatrics is a new departure in dental pathology and therapeutics and, so far, no text-book has been published. In lieu of a text-book much literature can be found in the current magazines in the college library.

#### DEPARTMENT OF PHYSIOLOGY

JAMES HAROLD COLLINS, M.A., M.D., Professor.  
....., Assistant.

This course covers General Physiology, with special lectures on the General Nervous System, Psychology, and Endocrinology. Special attention is taken to make practical application of normal and abnormal physiology to dental function and pathology.

The course includes eighty-four hours' didactic work, and eighty-four hours' laboratory and demonstration. This course runs throughout the Junior year.

#### DEPARTMENT OF PROSTHETIC DENTISTRY

ELBERT WOODSON TAYLOR, D.D.S., Professor.  
A. J. BIGGER, D.D.S., Instructor.  
DAVID SAMUEL GARDNER, D.D.S., Assistant.  
CORNELIUS N. WILLIAMS, D.D.S., Assistant.

This department embraces a systematic graded course of theoretical and practical instruction, consisting of lectures, laboratory work, and practice in the Clinic.

In the technic course, Freshman students are taught by means of lectures and demonstrations the characteristics and uses of materials and appliances and methods employed in taking impressions and making casts.

Sophomores review the above work and take up dies and counter-dies, swaging metal bases, the selection and arrangement of teeth, both on metal and vegetable bases, packing, vulcanizing, finishing, and polishing the different types of dentures.

Juniors are taught the minute details of prosthetics from the time of receiving the patient at the chair, through all steps of the work to its completion. Instruction is given in diagnosis of cases and the proper selection and arrangement of teeth for each patient. A thorough study is made of the muscles of mastication, force of bite, movement of the mandible, and facial expression. Technical work includes the construction of full and partial metal bases, with teeth attached with vulcanite and solder; construction of clasps, and other forms of anchorage.

Seniors are given a review of the above work, and take up cast aluminum, celluloid, and continuous gum dentures; preparation of splints for retaining reduced fractures of the jaw, and making obturators, as well as applying all methods to patients in the Clinic.

A specimen of technic work representing the student's ability in this work is required as a "deposit" piece for the Museum.

Sophomore Year: One lecture and four two-hour and one three-hour laboratory periods each week during the year.

Junior Year: One lecture and one three-hour and three four-hour laboratory periods each week during the year.

Second Year: One lecture each week during the year, and laboratory work as a part of the work of the Clinic, the time being dependent upon the requirements of the Clinic.

#### DEPARTMENT OF RADIOLOGY

C. E. HINES, D.D.S., Professor.

The course begins with a consideration of the history and theory of radiology. Through daily use of the X-ray machine the student becomes familiar with the construction and use of the apparatus. The instruction includes practical application of radiographic technic, interpretation of negatives, and the diagnosis of conditions revealed by them.

Only through an X-ray examination is it possible in many cases to make a proper diagnosis of such conditions as the following: Impacted teeth, fractures and necrosis of the jaw, perforated roots, and imperfect root fillings.

The cases treated are those referred to the department from the general Clinic. The student at all times working under the supervision of the Instructor in charge of the work, determines whether the case requires a radiograph; assists in making the negative; makes interpretation of the findings, and prescribes treatment.

During the progress of the work the dangers of improper manipulation of the X-ray apparatus are pointed out, and the methods of prevention of same are given.

Senior Year: Two lectures each week during the second semester. Practical work according to the cases referred from Clinic.

#### DEPARTMENT OF ORAL SURGERY, ANÆSTHESIA, AND EXODONTIA

JOHN JONES OGDEN, D.D.S., Professor.

Anæsthesia is taught both at the chair and by practical demonstrations. Opportunity is afforded each student to witness the administration of all the ordinary agencies that prevent or obtund pain, both general and local.

It is the purpose of this course to familiarize the student with all anæsthetics and their respective antidotes, that they may intelligently care for all cases coming to them in routine practice.

The administration of nitrous oxide and oxygen, Somnoform, and ether will be demonstrated, using the latest approved apparatus. Special attention is given to local anæsthesia, both "nerve blocking" and infiltration for operative as well as surgical work. This is taught on "wet specimens" as well as demonstrated in clinical work. Special clinical work is done during two afternoons each week, for extractions and surgical work. Exodontia is taught in all its phases by lecture and demonstration, giving special attention to all classes of teeth, malposed, unerupted, or difficult of removal, using standard technic and instrumentation.

Oral Surgery consists of the surgical treatment of the facial defects and blemishes, the surgical treatment of alveolar abscesses, the treatment of caries, and the necrosis of bone, cleft palate, and harelip. Included in this branch of surgical work are the treatment of the diseases of the maxillary sinuses, the diagnosis and removal of tumors occurring about the mouth and face, and the excision of nerves in surgical treatment of persistent neuralgia.

This course will include the treatment of fractures of the jaws, including the various appliances used in Maxillo-Facial hospitals in France, England, and America during the recent war. The practical phases will be thoroughly covered, showing duplicate models of case treatment, as well as the different types of splints employed, including nose splints for plastic work.

The whole clinical course is an exemplification of aseptic and anti-septic surgery. Special emphasis is laid upon the surgical pathology of tissues and diseased processes in its adaptation to and used in the various phases of surgical treatment of both accidental and deliberate operative cases.

Anæsthesia is given during the second semester of the Junior year; one lecture and one hour of clinical work each week.

Oral Surgery and Exodontia is continued during the entire Senior year; one lecture and two hours of clinical work each week.

#### DEPARTMENT OF GENERAL SURGERY

MAXIMILIAN GOLTMAN, C.M., M.D., F.A.C.S., Professor.

General Surgery is planned to acquaint the dental student with the science of surgery in theory and practice. The lectures are arranged so that the simplest subjects are first considered and then the more complicated subjects are discussed. Fundamental surgical pathology and bacteriology constitute the basis of the course. Throughout the work the underlying principles of surgery are emphasized.

Senior Year: One lecture each week throughout the year.

## TEXT BOOKS

Text-books and reference books will be on sale in the Library of the school at publisher's prices. There will be a small profit made on the sale of these books, which will be used for the benefit of Athletics. Each student will be required to have the books listed before participating in either recitation or laboratory exercises. Reference books may be found in the Library, to be used as needed.

### FRESHMAN LIST

BIOLOGY: "Introduction to Zoology," Hegner; "Mammalian Anatomy," Davidson (latest edition); "Vertebrate Zoology," Pratt.

CHEMISTRY, Inorganic, "Chemistry for Colleges," Alexander Smith.

DENTAL ANATOMY, Black's "Dental Anatomy."

PROSTHETIC DENTISTRY, Prothero.

OPERATIVE DENTISTRY, Black's.

CROWN AND BRIDGE, Prothero.

ENGLISH, Genung's Rhetoric, and Classics.

### SOPHOMORE LIST

GENERAL ANATOMY, Gray.

CHEMISTRY, ORGANIC, "Outlines of Organic Chemistry," Moore.

CHEMISTRY, PHYSIOLOGICAL, "Essentials of Chemical Physiology," Hal-liburton.

CROWN AND BRIDGE, Goslee.

GENERAL HISTOLOGY, Jordon.

DENTAL HISTOLOGY AND EMBRYOLOGY, Noyes.

OPERATIVE DENTISTRY, Davis.

PHYSIOLOGY, Howell.

PROSTHETIC, Prothero.

### JUNIOR LIST

ANAESTHESIA, Smith.

BACTERIOLOGY, Hiss and Zinsser.

CROWN AND BRIDGE, Goslee.

ORTHODONTIA, Dewey.

OPERATIVE DENTISTRY, Black.

MATERIA MEDICA AND THERAPEUTICS, Howell.

PATHOLOGY, Endelman and Wagner.

PROSTHESIS, Wilson.

### SENIOR LIST

DENTAL PATHOLOGY AND THERAPEUTICS, Black.

OPERATIVE DENTISTRY, Black.

ORTHODONTIA, Dewey.

RADIOLOGY, McCoy.

GENERAL SURGERY, to be supplied.

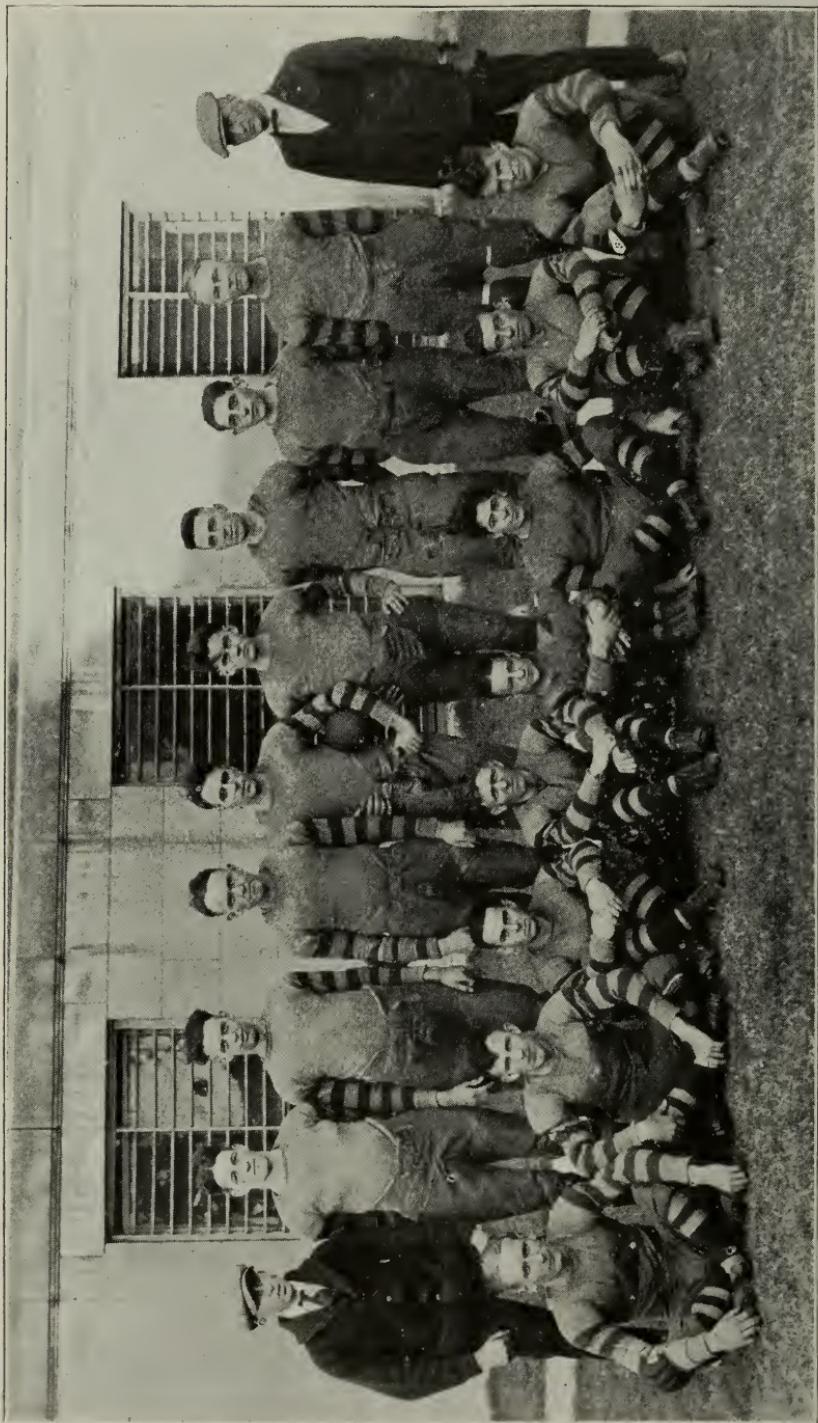
ORAL SURGERY, Blair.

EXODONTIA, Winter.

DENTAL JURISPRUDENCE, Brothers, Noyes.

PROSTHESIS, Wilson.





U. OF T. FOOTBALL SQUAD FOR 1920-21

## ATHLETICS

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The Athletic Association of the University of Tennessee College of Dentistry is composed of the faculty and student body. Athletics are encouraged in so far as they do not conflict seriously with the Dental work. Scholarship is a pre-requisite for any student wishing to represent the College in any form of Athletics. Teams have been formed during the past year in football, baseball, basketball, tennis, and other forms of college athletics.

During the season of 1920-1921 a very successful football team was put out, which lost only two games out of nine.

The basketball team for last season won ten games and lost two games, thereby winning the inter-scholastic championship.

Baseball, tennis, and other forms of athletics were equally successful.

Next season Mr. Bert P. Hodge, from the University of Alabama, an all time physical director, has been employed. Our prospects for the coming year in Athletic activities are very promising, as only one man from the squad will be lost through graduation, and some promising material is expected in the Freshman class.

The central Y. M. C. A., which is only a few minutes' walk from the College campus, offers excellent opportunities and inducements to the students wishing to take less strenuous forms of Athletics.

# STUDENTS ENROLLED, 1920-1921

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## FRESHMAN YEAR

ANDREWS, LEROY .....	Uniontown, Pa.
BARKLEY, MOSES HOLLAND .....	Foxworth, Miss.
*BRANTLEY, LOIS EDWARD .....	Tyro, Miss.
BUGG, COLDEN SPARKMAN .....	Lynnville, Tenn.
CAMERON, JAMES ROY .....	Corinth, Miss.
CHILD, FRED RUTLEDGE .....	Powell Station, Tenn.
COFFMAN, MIKE .....	Jonesboro, Ark.
FOSSETT, MILLIGAN CEAFUS .....	Grove Oak, Ala.
FREELAND, CHARLES CURRIE .....	Whiteville, Tenn.
GILBERT, GORDON L. .....	Grove Oak, Ala.
GREENE, CONDEN LAWRENCE .....	Coal Creek, Tenn.
GRISCOM, WILLIAM OTIS .....	Red Bay, Ala.
JAMIESON, O. M. .....	Walnut, Miss.
LOCKE, CHARLES COOPER .....	Fayetteville, Tenn.
MISNER, SAMUEL E. .....	Fairgrove, Mich.
MOORE, MARION S. .....	St. Anthony, Idaho
PEARCE, JAMES FULLER .....	Falkner, Miss.
PERKINS, FRANCIS LANIER .....	Collierville, Tenn.
RILEY, HERBERT A. .....	Lexington, Va.
SEISER, EDWIN ORR .....	San Antonio, Tex.
SHANLEVER, SAMUEL R. .....	Clinton, Tenn.
SHURLEY, THOMAS CECIL .....	Liberty, Miss.
SOLOMON, LEWIS MAX .....	Memphis, Tenn.
WESTERFIELD, BILLY CASFARUS .....	State Line, Miss.
STEADMAN, JOHN RALPH .....	Selmer, Tenn.
WYNN, PERCY A. .....	Tyro, Miss.
TILLERY, DUNCAN E. .....	Knoxville, Tenn.
WILSON, FREEMAN P. .....	Grove Oak, Ala.

## SOPHOMORE YEAR

BIRK, CHARLES HAROLD .....	Memphis, Tenn.
GRAHAM, GEORGE GRANVILLE .....	Memphis, Tenn.
HINSON, ARDENNE .....	Memphis, Tenn.
HURLEY, TROY .....	Michie, Tenn.
HUTCHINSON, ROBERT GARRETT .....	Crandall, Tenn.
JUSTICE, ELVIS JEFFERSON .....	Dyersburg, Tenn.
LEONARD, NEIL JONES .....	Dora, Ala.
MIDDLECOFF, CHARNELL WHITFIELD .....	Milan, Tenn.
PEISER, IRVIN HENRY .....	Memphis, Tenn.
PLESOFSKY, JACOB .....	Memphis, Tenn.
SMITH, HUGH LAWTON .....	Prattsville, Ark.
SMITH, ROBERT HENRY .....	Greenwood, Miss.

\*Discontinued

WILLIAMS, BILLIE DAVID .....	Ruth, Miss.
WHITLOCK, DAVID FRAZER .....	Martin, Tenn.
WIGGINS, JASPER MARSHALL .....	Cottage Grove, Tenn.
*BARLOW, KENDRICK B. ....	Savannah, Tenn.
HERMAN, SAMUEL .....	New York City
SINDEBAND, IRVIN .....	New York City

## JUNIOR YEAR

COOKE, ROBERT SAMUEL .....	Memphis, Tenn.
DAVIS, HYMAN .....	Memphis, Tenn.
DEAN, RICHARD DAGGETT .....	Memphis, Tenn.
FRIEDMAN, SIDNEY .....	Memphis, Tenn.
GARDNER, MILO FAY .....	Luverne, Iowa
GRONAUER, JOSEPH .....	Memphis, Tenn.
GRAGG, JOHN RALSTON .....	Raleigh Springs, Tenn.
HOLTZCLAW, GEORGE WARREN .....	Rondo, Ark.
MARSHALL, RUDOLPH .....	Fredericksburg, Tex.
TUCKER, CLAGGARD GIBBS .....	Linden, Tenn.

## SENIOR YEAR

BROWN, THOMAS MADISON, JR. ....	Clarendon, Ark.
COLES, MERRICK AUGUSTUS .....	Long Branch, N. J.
GRAY, MARION HAUGHTON .....	Pensacola, Fla.
KABAKOFF, LILLIAN .....	Memphis, Tenn.
McKEOWEN, LEO PRESTON .....	Willow, Ark.
UNDERWOOD, HARRY MASON .....	Knoxville, Tenn.
WEINBERGER, MORRIS .....	Yonkers, N. Y.
ZIMMERMAN, PAUL H. ....	Coney Island, N. Y.

## GRADUATES, 1920.

ACKERMAN, MAURICE, Ph.G. ....	New York City
BAUER, GODFREY, JR. ....	College Point, N. Y.
CAFFREY, WILLIAM EDWARD .....	Newark, N. J.
DONAHUE, JAMES EDWARD .....	New York City
GLANCY, CHARLES ANDREW .....	Yonkers, N. Y.
GOLDIN, SAMUEL .....	New York City
GOTTLIEB, SAMUEL .....	New York City
GRITZ, ABRAHAM JOSEPH .....	New York City
GRUMMETT, JACOB .....	New York City
KAVALER, DAVID .....	Brooklyn, N. Y.
LEHMER, NORMAN .....	Mt. Vernon, N. Y.
MCSEENEE, JOSEPH LAFAYETTE .....	New York City
NUSSBAUM, NATHAN .....	Brooklyn, N. Y.
ROSENBERG, ISIDORE .....	New York City
SCHWENTER, GEORGE CHARLES .....	New York City
STEPHENS, WILLIAM NATHAN .....	New York City
SUSSMAN, JACOB A. ....	New York City

\* Discontinued.

TELLER, FRANK .....	New York City
TOWNSEND, ALLEN BICKLEY .....	Rome, N. Y.
WILLIAMS, CORNELIUS .....	Arlington, Tenn.

## GRADUATES, 1919

BAKER, HAL ALFRED .....	Jackson, Tenn.
BLACK, WILLIAM HARVEY .....	Monticello, Ark.
BUSEY, WILLIAM ALLISON .....	Memphis, Tenn.
CLEVELAND, WEBSTER .....	Belmont, Miss.
CRABTREE, SYDNEY TAYLOR .....	Castalian Springs, Tenn.
FELDBERG, DAVID .....	Brooklyn, N. Y.
HARRELL, WILLIAM JAMES .....	Arlington, Tenn.
HARRIS, CLAUDE PRENTICE, B.A., B.S. ....	McCrory, Ark.
HUNT, WILLIAM RUTH .....	Clarksville, Ark.
JALLER, DAVID .....	Corona, N. Y.
LEWIS, JOHN ANDERSON .....	Ozark, Ark.
MATTHEWS, ORAS KAY .....	Lynnville, Tenn.
RIEDER, MARTIN MOSES .....	New York City
ROSENBLUTH, HAROLD .....	Brooklyn, N. Y.
ROSENBERG, HENRY .....	New York City
RYAN, WALLACE CALVIN .....	Grove Oak, Ala.
SNOW, ROSS CARLTON .....	Ackerman, Miss.
STEPHENS, JOSEPH EARNEST .....	Sheridan, Ark.
STEINBERG, WILLIAM .....	New York City
VINSANT, ROBERT SHERMAN, B.A. ....	Jacksboro, Tenn.
WEBER, ASBURY ANTON .....	Memphis, Tenn.
WILSON, WILLIAM HENRY .....	Albertville, Ala.

## GRADUATES, 1918

ARMSTRONG, ROBERT BRINCE .....	Caterville, Ill.
BATTAGLIA, PASQUAL NATHANIEL, JR. ....	El Paso, Tex.
FRANCIS, ELMER ELLSWORTH, JR. ....	Memphis, Tenn.
HALL, FRANK JOSHUA .....	Englewood, Tenn.
HUFSTEDLER, PINKNEY ALEXANDER .....	Linden, Tenn.
HUFSTEDLER, LEONARD FORREST .....	Linden, Tenn.
JONES, WILLIAM JOSHUA .....	Milan, Tenn.
MIDDLECOFF, HERMAN FARRIS .....	Milan, Tenn.
PROTHRO, JAMES THOMPSON .....	Memphis, Tenn.
RAINES, JOHN ROBERT .....	Grove Oak, Ala.
RAMSEY, MILTON TRAVIS .....	Baird, Tex.
ROBERTSON, FRANK LUKE .....	Pine Bluff, Ark.
TAIT, GEORGE BURTON .....	Good Pine, La.
WRIGHT, CHARLES FRANKLIN .....	Ripley, Miss.

## GRADUATES, 1917

BLACK, DEWITT TALMAGE .....	Monticello, Ark.
BROOK, RUTH PEYTON .....	Memphis, Tenn.
BURNS, JOSEPH JEFFERSON .....	Ripley, Miss.

GROVER, JAY LAWRENCE .....	Batesville, Ark.
HOUSTON, JAMES HOLLIE .....	Rusk, Tex.
NASH, CHARLES HURLEY .....	Memphis, Tenn.
SMITH, CECIL CLARENCE .....	Violet Hill, Ark.
STREET, RUFUS WRIGHT .....	Ripley, Miss.
WILLIAMS, JACOB MAYO .....	Monette, Ark.

## GRADUATES, 1916

CALLEDAR, IRA GROVER .....	Meadville, Miss.
FRANCIS, WALTER SCOTT .....	Memphis, Tenn.
HARPER, ALBERT TURNER .....	El Dorado, Ark.
JACKSON, JOSEPH BROWN .....	Ft. Worth, Tex.
LADD, CLIFTON .....	Judsonia, Ark.
MATTICE, HAROLD WILLIAM .....	Memphis, Tenn.
MCCELLAN, MINNIE ENYEART .....	Little Rock, Ark.
MIELKE, ANTHONY .....	Memphis, Tenn.
OGDEN, JOHN JONES .....	Memphis, Tenn.
SCHARFF, EARL ULLMAN .....	Memphis, Tenn.
SOLLARS, WILLIAM R. ....	Keyser, W. Va.
STEHLEY, ROZEL AVIS .....	Keyser, W. Va.
TAVEL, RICHARD BULLINGTON .....	Memphis, Tenn.
THOMAS, FRED WILLIAM .....	El Dorado, Ark.
WALTON, OWEN KETHLLOR .....	Vardaman, Miss.
WILKES, CHARLES OPHIR .....	Memphis, Tenn.
WINFREY, HUGH WILLIAM .....	Memphis, Tenn.
BIGGER, JAMES FRANKLIN .....	Finchburg, Ala.
BUSBY, LAWRENCE PAUL, JR. ....	Memphis, Tenn.
DICKSON, SOUTHALL, JR. ....	Bolivar, Tenn.

## GRADUATES, 1915

BIGGER, ARCHIE JOHNSON, JR. ....	Finchburg, Ala.
FIELDS, VIRGIL MALCOLM .....	Milan, Tenn.
GIL, WILLIAM WILSHIRE .....	Judsonia, Ark.
GOSNELL, MUNSEY WARD .....	Blytheville, Ark.
HUDSON, ADIN W. ....	Middleton, Tenn.
MEADOR, THOMAS JEFFERSON .....	Red Boiling Springs, Tenn.
NEEL, HENRY SIDNEY .....	Murfreesboro, Ark.
WOODARD, WILLIAM EDWARD .....	Ringgold, La.

## GRADUATES, 1914

CARTER, WILLIAM PRESTON .....	Pine Bluff, Ark.
DAVIS, TOY BROADDUS .....	Rose Bud, Ark.
DENNIS, NOAH LLOYD .....	Newport, Tenn.
DILLARD, CLARENCE ELMORE .....	Simsboro, La.
GREEN, ALBERT EDWARD .....	Little Rock, Ark.
OGDEN, TERRELL RHEA .....	Ruston, La.
*PITTMAN, LUTHER HILL .....	Memphis, Tenn.

\*Deceased.

RUBLE, VINET ALLEN .....	Jasper, Ark.
TERRAL, BRIDGES .....	Dodson, La.
WEAVER, ORRIN KLIPART .....	Rara Avis, Miss.

## GRADUATES, 1913

CHESTNUT, JAMES ARTHUR .....	Minneapolis, Minn.
DICKASON, GEORGE MARTIN .....	Memphis, Tenn.
FIELDS, ERIC ODELL .....	Milan, Tenn.
GALLIMORE, BONNIE CLYDE .....	McKenzie, Tenn.
JOPLING, PORTER WALKER .....	Memphis, Tenn.
MARTIN, ELBY DEXTER .....	Clay, Ky.
MEDINILLA, JOSE ELEODORO .....	Trinidad, Cuba
MORRIS, JOSEPH FRANCIS .....	Nashville, Tenn.
PRICE, LITTLE BERRY .....	Imboden, Ark.
SIMPSON, ELBERT FLEMING .....	Cameron, Miss.
SOUBY, VICTOR BELL .....	Del Rio, Tex.
TUCKER, LLOYD EARL .....	Milan, Tenn.
TERRELL, EANFORD JONES DEAN .....	Ringer, Tex.

## GRADUATES, 1912

BALTHROP, HERBERT PRESTON .....	Memphis, Tenn.
DAVIS, JAMES ELBERT .....	Jefferson City, Tenn.
FREELAND, GEORGE ISAAC .....	Springfield, Tenn.
GORDON, JOSEPH ERNEST .....	Lafayette, Va.
LAW, BAXTER WILSON .....	Westmoreland, Tenn.
MAXEY, HENRY CLARK .....	Anson, Tex.
MONTSINGER, VERNON WILLIAM .....	High Point, N. C.
ODIL, GUY BLACKBURN .....	Spring Hill, Tenn.
PATE, CLARENCE MADISON .....	Pittsboro, Miss.
ROBERTS, WILLIAM THOMAS .....	Tracy City, Tenn.









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## THE UNIVERSITY OF TENNESSEE

Comprises the following departments:

- The Graduate School
- The College of Liberal Arts
- The College of Engineering
- The College of Agriculture
- The College of Law
- The School of Education
- The School of Commerce
- The Summer School
- The Pre-Medical School

*—At Knoxville*

- The College of Medicine
- The College of Dentistry
- The School of Pharmacy

*—At Memphis*

This publication refers only to the College of Dentistry. For information in regard to any other department, address

THE PRESIDENT,  
UNIVERSITY OF TENNESSEE,  
KNOXVILLE, TENN.